

THE REDRUTH SCHOOL NEWSLETTER

Issue 152 27th March 2015



Science Week

Eden Project

On Monday and Tuesday a select group of Year 9 and 10 students attended a DNA workshop at the Eden Project. They carried out an investigation into a potential outbreak of a flesh eating disease! Students learnt to use micro-pipettes and carry out a sophisticated scientific technique called DNA electrophoresis.

Bristol Science Fair

"We learnt about atoms and astrophysics. Atoms are small particles which make up everything in the universe, even the air." Piran Phillips, Year 7.

"We went to watch the glow show. It included many different ways of transmitting light. They turned on the ultra violet light and it made our white shirts glow. We found many cool ways to apply science to our everyday lives. It was a really fun day!" Lowena Dunstan, Year 7.



Chocolate Project

Year 7 Students took their REAL Project to the Regal Cinema for a film festival last week. Having worked in teams to create chocolate brands and learning about how to produce effective advertising. Students worked with iPads, developing films on iMovie which they devised, shot and edited all within the strict deadlines present in



their REAL learning. The film festival was a great success, with many parents, grandparents and guests watching the films on the big screen. As well as compering the event, the students took on roles within the staging of the event – from working at front of house, to giving speeches about the REAL project, presenting awards and organising displays within the cinema. Students also raised awareness of the darker side of the chocolate industry in which many children worldwide are forced into slave labour to ensure cheap cocoa production.

Sixth form media studies students and media club were judges in selecting winners in the best actor, actress and best film awards, whilst tutors also gave a Redruth Oscar to one person in each tutor group who consistently excelled throughout the project.

The REAL team would like to thank our Media Studies students, Eden Project, Finestere Surf Company and Naomi Smith for their help in this project, and also the Regal Cinema.

Solar Eclipse

On Friday morning we were treated to a rare astronomical event – A solar eclipse. This event occurs when the moon passes between the Sun and the Earth, so that its shadow is cast onto the surface of the earth. Our planet is very unusual in the solar system because it has a large moon that is capable of producing such amazing eclipses. The size of the moon is about 1/400th of the size of the sun but the sun is about 400 times further away. This means that when an eclipse occurs, the size of the moon is just the right size to overlay the size of the sun. Over time the earth's tides mean that the moon is drifting further away by about 4cm per year. This will result in smaller and smaller eclipses as time goes on.



"I really liked working on the BBC School Report because I liked using the apple mac's to edit the footage we got. Also I liked listening to what the Year 7 students had to say about science week!"

Callum, Year 8.



Word Millionaires Year 7

Congratulations Skylar and Zander on reading over ONE MILLION words since September. Skylar has read 1,010,424 words, and Zander is on his way to being a double millionaire having read 1,662,897!

Zander and Skylar received a certificate and a £10 Waterstones voucher.



Congratulations

Well done to Thomas Bingham who was awarded his Black Belt in Martial Arts last week.



Science Week (by Lanner School)

On Tuesday 17th March 2015 at Lanner Primary School, we had the pleasure of Redruth School joining us to celebrate National Science Week. To begin with we had an interesting and exciting assembly. First there were demonstrations and explanation on how different coloured fireworks are made. Next was the science of sparklers made from slow burning magnesium strips up to explosive magnesium powder. Finally a number of experiments showed how oxygen can be added to make the reaction more explosive, including on Jelly Babies!!



After the amazing assembly, all of the classes did different experiments to do with Easter. For example; Years 1 and 2 made egg-landers so the Easter Bunny had less breakages, Years 3 and 4 made bridges to hold the Easter Bunny's weight and in Years 5 and 6, we investigated which foods would be best for the Easter Bunny to eat, to give him the most energy. To conclude, we want to thank Redruth School for providing a wonderful day! All off the staff and pupils thoroughly enjoyed the day. It was really great to try something different!

Year 5

Super Fun Science Saturday

Saturday 28th March

Call 01209 203700 to book your child's place